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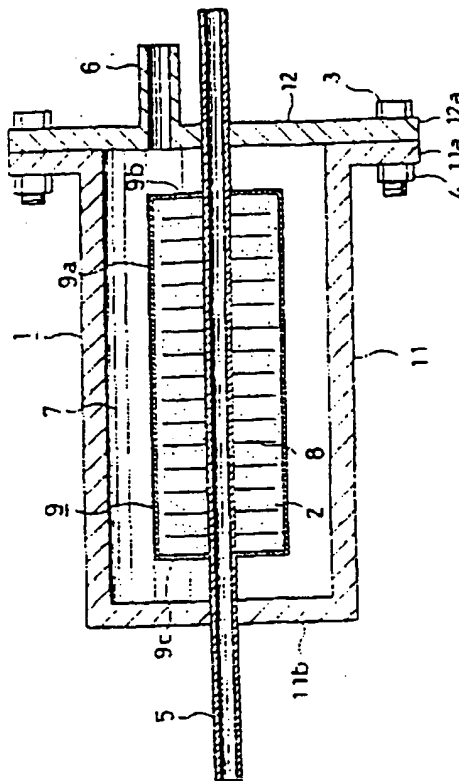
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TITLE : METAL HYDRIDE CONTAINER



ABSTRACT : PURPOSE: To obtain a metal hydride container excellent in the efficiency of heat exchange by housing a metal hydride to be preserved inside a metal hydride retainer together with heat exchange fins so as to prevent the dispersion of the metal hydride.

CONSTITUTION: Inside a pressure vessel 1 a hydrogen passage 7 is formed, and inside the passage a metal hydride 2 is held around a heat exchange tube 5 together with heat exchange fins 8 by a metal hydride retainer 9. Thus, the dispersion of the metal hydride 2 into the hydrogen passage 7 is prevented, and the heat transfer between the heat medium flowing in the heat exchange tube 5 and the metal hydride 2 is smoothly carried out via heat exchange fins. Further, the heat outflow from the retainer 9 to the pressure vessel 1 is prevented by the existence of the hydrogen passage 7, and the sensible heat loss due to the vessel is suppressed.

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